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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 51055724	A	19760517			197627	B

Priority Applications (No Type Date): JP 74130153 A 19741112

Abstract (Basic): JP 51055724 A

Dental alloy contains 68-96% Au and 1-10% Co, with 0-31% of >=1 of Ag,Cu,Zn,Pd,Ir and Rh. The alloy is heated to 800-1000 degrees C solid-soln. treated, and then age-hardened by heating to 300-500 degrees C. With melting point low at 1000 degrees C, casting is easy. Temp. difference between the m.pt. and coagulation point is 28-60 degrees C, so segregation is not produced by quenching. Props. are not inferior to conventional Pt-contg. Au alloy. Hardness after solid soln. treatment is soft at 130-150, giving good machinability. After age-hardening hardness is 240-280.

Title Terms: DENTAL; GOLD; ALLOY; CONTAIN; COBALT; OBTAIN; REDUCE; COST; AGE; HARDEN

Derwent Class: M26; P32

International Patent Class (Additional): A61C-013/00; C22C-005/02

File Segment: CPI; EngPI

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